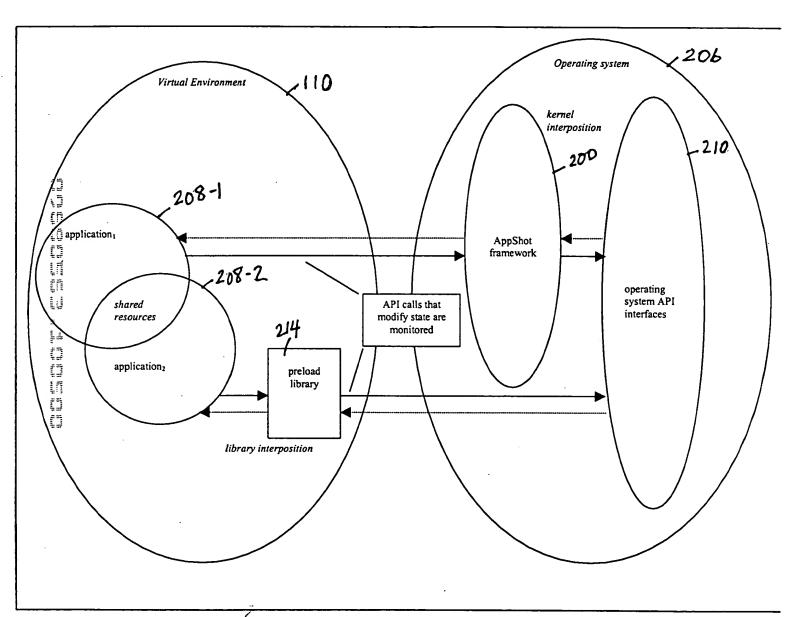
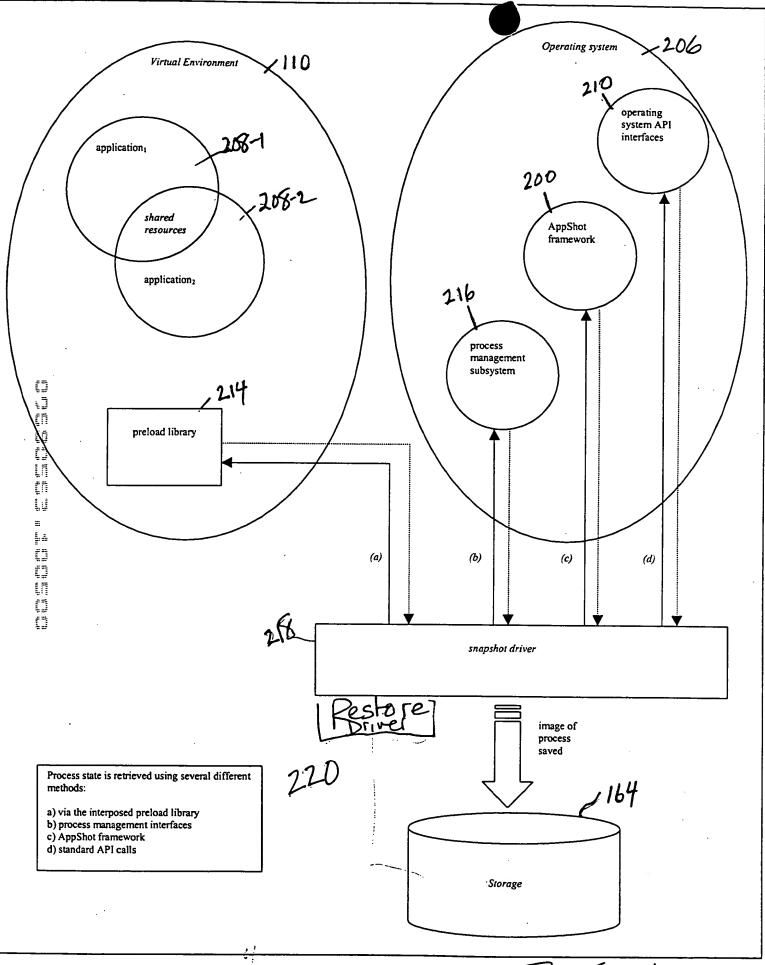


The above diagram illustrates the virtual network environments. Virtual Network Environment 1 contains one application WEB SITE 1, is defined by the Virtual Network Address 10.10.0.1 resides solely on computer 1. Virtual Network Environment 2 contains two applications, WEB SITE 2 and APP 2, and spans two computers, Computer 2 and Computer 3. The virtual network of VNE 2 is 10.10.2.0.

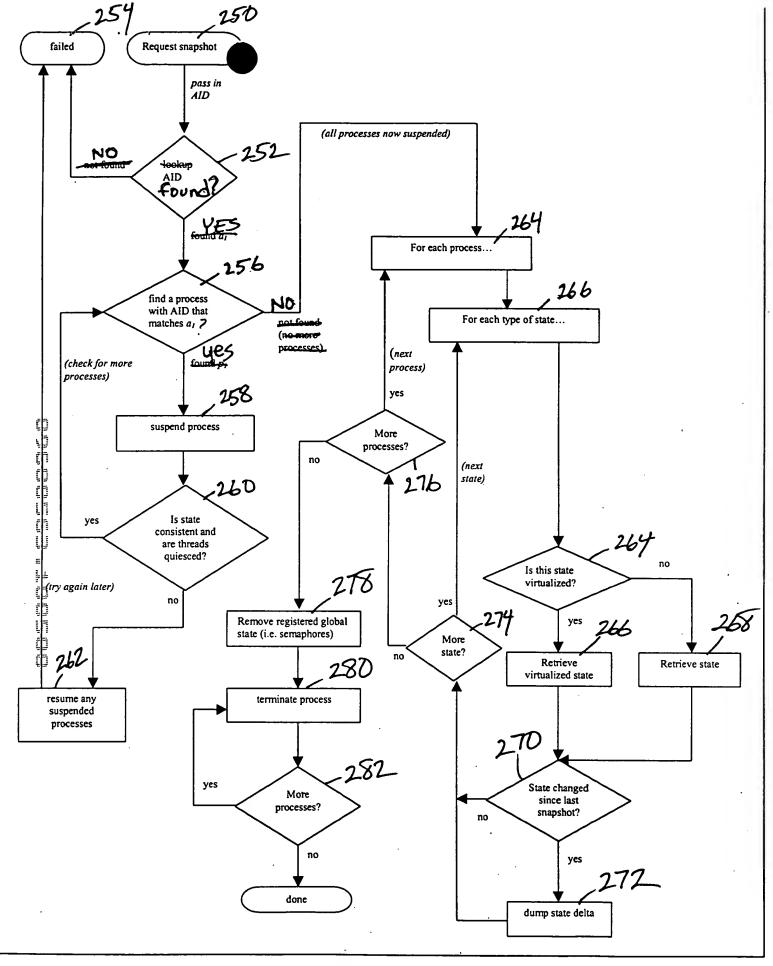
F14.1



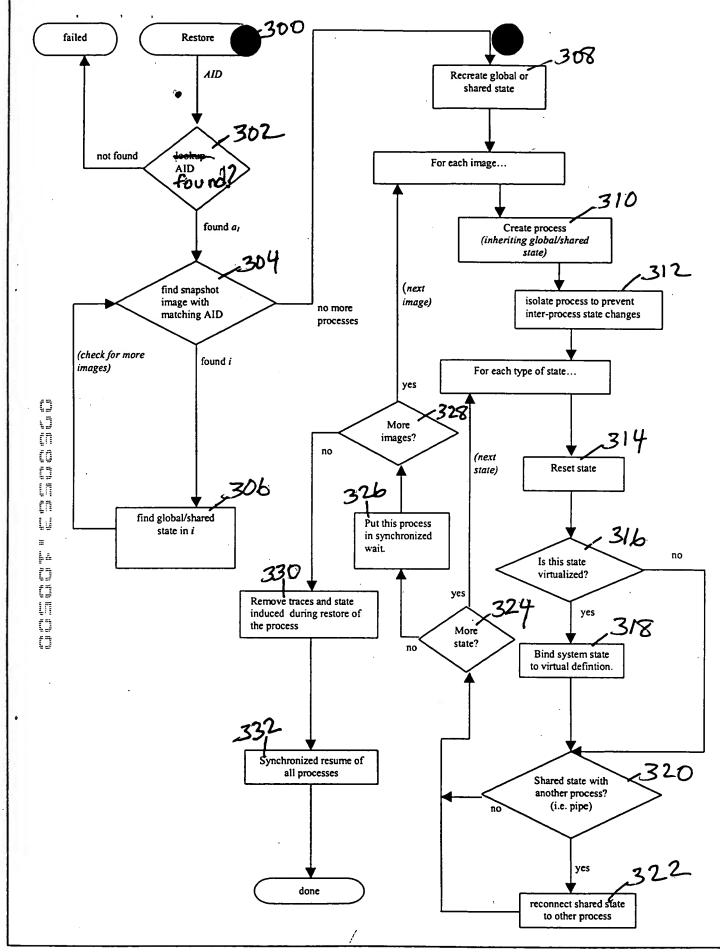
Tracking application state via library and kernel interposition.



Capture of an application's run-time state.



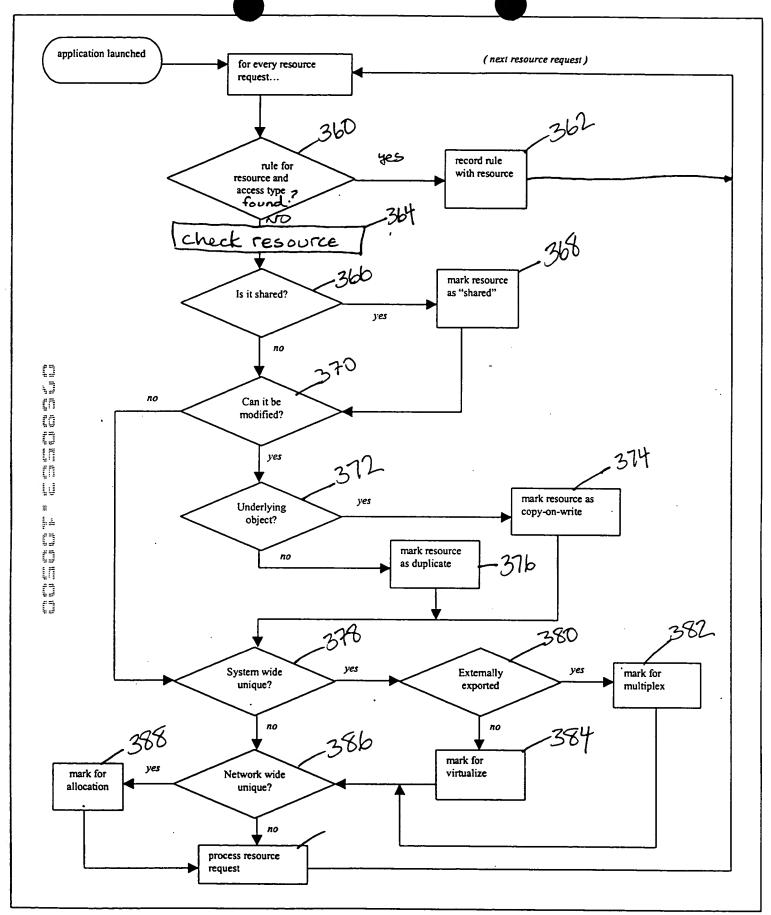
Flowchart of snapshot.



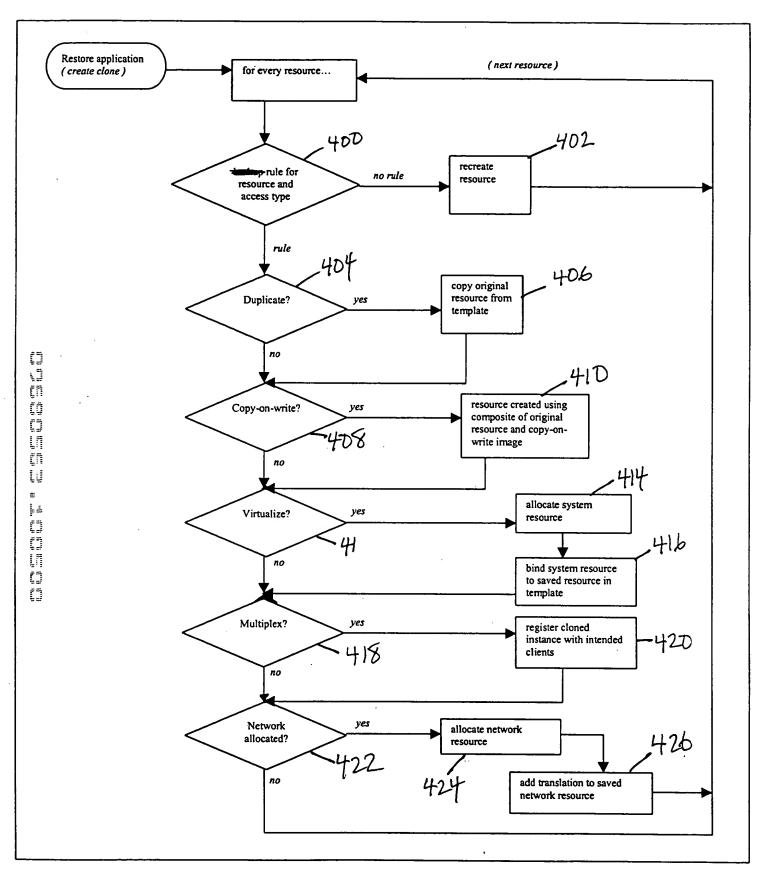
F146

}

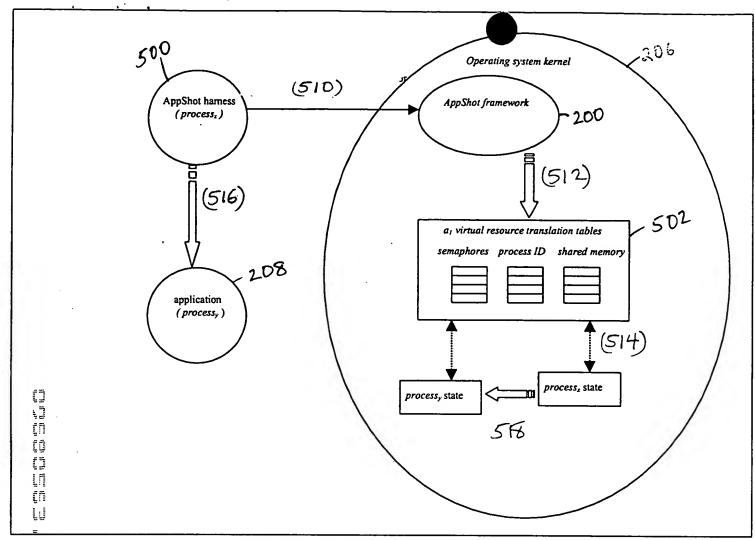
Resource Name Size



F14.8



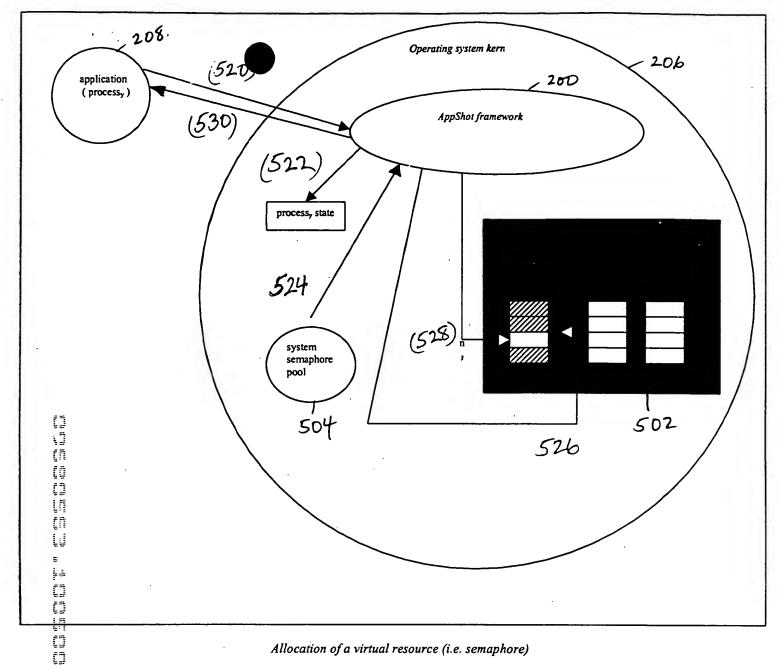
F16.9



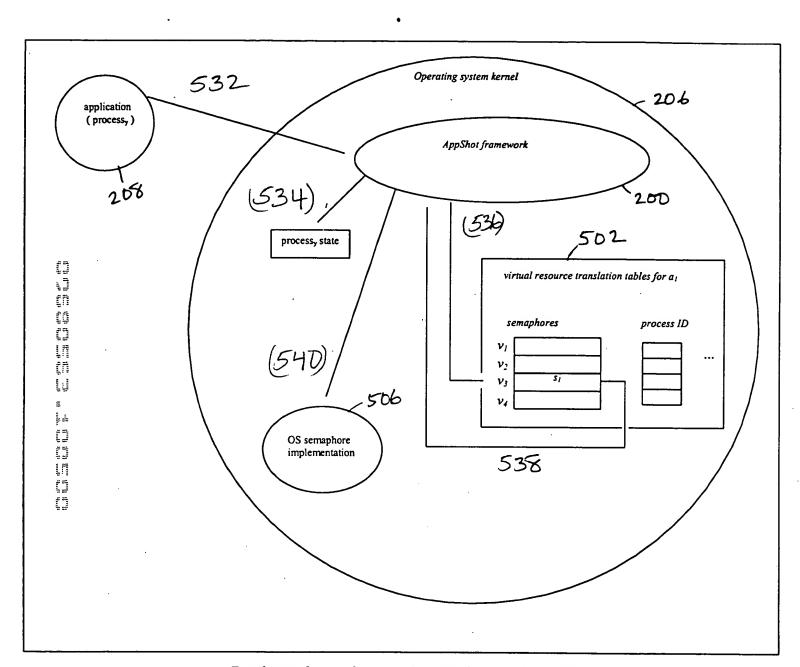
Registration of an application using virtual resource ID's.

Haft that then that that the

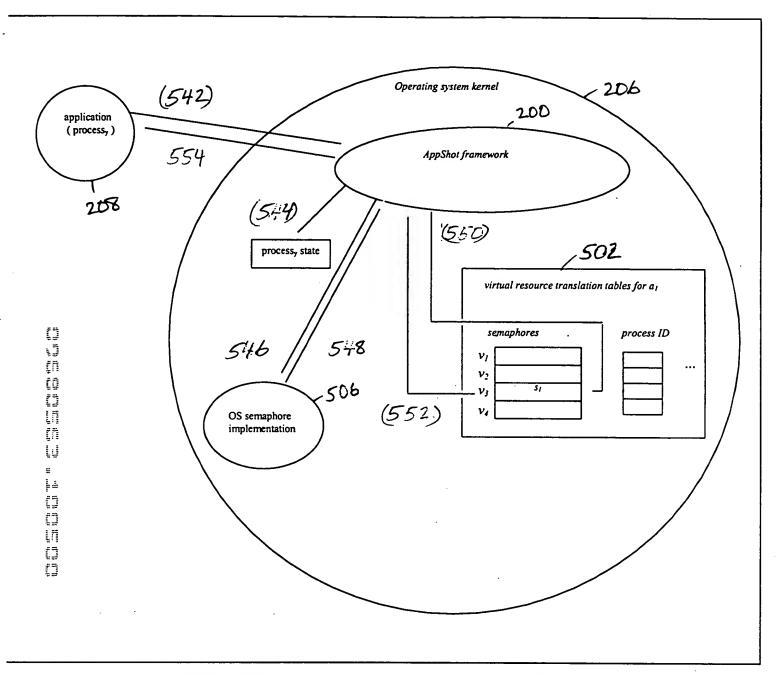
F14.10



Allocation of a virtual resource (i.e. semaphore)



Translation of a virtual resource (i.e. semaphore), virtual to system



Reverse translation of a virtual resource (i.e. semaphore), system to virtual

Flowchart describing creation of virtual translation tables.

F16,14

